

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Yasuaki KOIWA : **Mail Stop: PCT**  
Serial No. 10/594,512 : Attorney Docket No. 2006\_1656A  
Filed September 28, 2006 :

A SPRINKLER HEAD COVER AND A  
SPRINKLER HEAD  
**[Corresponding to PCT/JP2005/004610**  
**Filed March 16, 2005]**

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicant requests consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- each U.S. Patent and U.S. Patent application publication;
- each reference previously cited in the international application PCT/\_\_\_\_\_;  
and/or
- each reference previously cited in prior parent application Serial No.  
\_\_\_\_\_.

1a.  This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

- 1b.  This Information Disclosure Statement is submitted  
after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:  
(1)  the certification of paragraph 2 below is provided, **or**  
(2)  the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 1c.  This Information Disclosure Statement is submitted:  
after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:  
**the certification of paragraph 2 below is provided, and**  
**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified
- a.  that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
  - b.  that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3.  Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
  
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
  - a.  a full or partial English language translation submitted herewith,
  - b.  a foreign patent office search report (in the English language) submitted herewith,
  - c.  the concise explanation contained in the specification of the present application at page,
  - d.  the concise explanation (**reference AJ**) set forth in the attached English language abstract (previously cited in an IDS filed September 28, 2006 (reference AL),
  - e.  the concise explanation set forth below or on a separate sheet attached to the reference (\*these references were previously cited in an IDS filed September 28, 2006 (references AJ, AM and AN):

U.S. Patent No. 6,805,203 discloses a cover plate having a curved surface, and a leaf spring provided between a housing and a cover plate.

U.S. Patent No. 4,880,063 discloses a leaf spring provided between a cover plate and a housing.

\*Japanese Utility Model No. 2000-37473 discloses a cover plate having a curved surface, and cover plate fixing members 17, 18 contacting a slanted surface. Springs are provided between a mounting member 5 and a cover member 11.

\*Japanese Utility Model No. 2003-210606 discloses a bushing 23 having an inner hole and provided between a cover 30 and a body 10. A low melting point alloy is inserted through the hole, and the cover 30 is engaged by a lower stepped portion of the lower melting point alloy.

\*Japanese Utility Model No. 2003-265642 discloses heat collectors provided as layers (Fig. 5), and the heat collectors make contact with a cover plate.

5.  A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

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November 28, 2006

## INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: November 28, 2006

ATTY DOCKET NO.  
2006\_1656ASERIAL NO.  
10/594,512APPLICANT  
Yasuaki KOIWAFILING DATE  
September 28, 2006

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,805,203	10/2004	Retzloff et al.			
	AB	4,880,063	11/1989	Leininger et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ	3016985	8/1995	JP			Abstract	
	AK							
	AL							
	AM							
	AN							

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED